



United States  
Department of  
Agriculture

Forest  
Service

Manti- La Sal  
National Forest

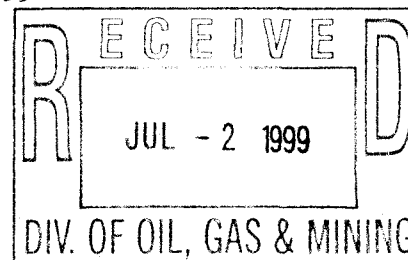
Supervisor's Office  
599 West Price River Drive  
Price UT 84501  
Phone # (435) 637-2817  
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0016

File Code: 2820-4

Date: June 30, 1999

Utah Division of Oil, Gas and Mining  
ATTN: Daron Haddock  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801



Subject: Genwal, Crandall Canyon Mine, Underground Right-of-Way/Incidental Boundary Change

Dear Daron:

ACT/015/032 # 2

My staff has reviewed Genwal's application for an Incidental Boundary Change to prevent bypass of mineable coal in their State Lease ML-21568. This would involve issuance of an Underground Right-of-Way by the Bureau of Land Management (BLM) and a Special Use Permit for subsidence of National Forest System Lands by the Forest Service (FS). The following are our comments:

Genwal has submitted a draft version (copy enclosed) of their proposed mining sequence to locate the Joes Valley fault and an emergency plan to handle water which they may encounter on the fault. This information must be incorporated into the mine plan, and must be supplemented. Genwal must explain how they will monitor the water flows from the drill holes ahead of the continuous miner, and must commit to notifying the FS when they encounter water. The FS will need confirmation from a UDOGM or BLM mining engineer that the emergency plan is adequate to handle water from the fault.

Genwal must have an archaeology survey conducted over the area of possible subsidence, as shown on their mine plan submittal. They must coordinate the survey with Stan McDonald, Forest Archaeologist.

The FS will prepare an environmental assessment documented in a Decision Memo and a Biological Evaluation/Biological Assessment (BE/BA). We will send a copy of my decision to both the UDOGM and the BLM.

Please contact Dale Harber at the above address or phone number if you have any additional questions.

Sincerely,

for  
DONALD G. FULLMER  
Acting Forest Supervisor

Enclosure





**GENWAL**  
RESOURCES, INC.

P.O. Box 1420 • 195 North 100 West • Huntington, Utah 84528  
Telephone (435) 687-9813 • Fax (435) 687-9784

June 16, 1999

U S Forest Service  
Manti-LaSal National Forest  
599 West Price River Road  
Price, UT 84501

Attention: Carter Reed

Dear Carter;

Attached for your use and information is a copy of the material submitted to the Division of Oil, Gas and Mining for an Incidental Boundary Revision of the area between the West boundary line of the State Lease of Section 2 of the Crandall Canyon Mine and Joe's Valley Fault. Also, included are draft copies of the mining sequence and emergency plan as we discussed last Monday. The last items have not yet been submitted to DOGM, but will be after the Technical Analysis Review has been received by us.

Please call me if you have questions.

Sincerely,

Gary Gray  
Engineer

Proposed mining sequence to be used when crossing state lease property line

Step 1. Drill hole horizontally in coal seam up to 50 feet ahead of entry face

Step 2. Mine entry ahead 10 foot less than length of drill hole

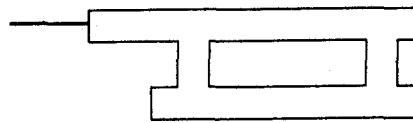
Step 3. Mine other entry and repeat sequence.

This sequence will be followed until the projected bleeder entries are reached. If the Joe's Valley Fault is encountered prior to reaching the bleeder entries, then mining will be stopped and the bleeder entries relocated.

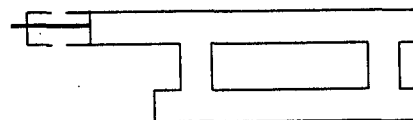
Other indicators have been experienced during mining up next to Joe's Valley Fault. Any of these indicators being present will affect the above mining sequence. The indicators, which we have experienced are severe rib rashing in some cases; in others the ribs will stand up showing no rib rash. Severe water pressures have never been encountered. Large flows of water have occurred from cracks in the roof, but these flows have been associated with sand channels rather than the fault.

**DRAFT**

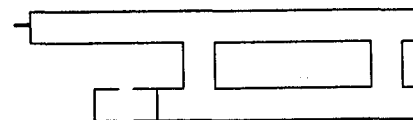
## *Mining Sequence for Approaching Joe's Valley Fault*



Step 1 -- drill hole horizontally in coal seam up to 50 feet ahead of entry face



Step 2 -- mine entry ahead 10 foot less than length of drill hole



Step 3 -- mine other entry, and repeat sequence

Note: maximum depth of cut of coal face is 40 feet; optimal depth of drill hole is 50 feet. If drilling conditions limit the length of drill hole, depth of mining cut will be limited to 10 feet less than drill hole depth

If the Joe's Valley Fault is encountered prior to reaching the projected bleeder entries, then mining will be stopped and the bleeder entries relocated.

Emergency Plan to handle water inundation from fault

1. Pull equipment back from face
2. Erect two Kennedy stoppings 2 feet apart
3. Place appropriate sized de-water pipe w/valve at bottom of stoppings
4. Pump quick drying cement into the space between the stopping
5. After minimum drying time, close water valve

**DRAFT**